

Appendix B. RQ Method and LOCs

Risk was estimated by calculating the ratio of estimated environmental concentrations (EECs) and the appropriate toxicity endpoint. This ratio is the risk quotient (RQ), which is then compared to pre-established acute and chronic levels of concern (LOCs) for each category evaluated.

Levels of Concern for Listed Terrestrial and Aquatic Organisms

Taxa	Acute LOC	Chronic LOC
Avian ¹ (terrestrial phase amphibians)	0.1	1
Mammalian ²	0.1	1
Terrestrial plants ³	1	
Aquatic Animals ⁴ (aquatic phase amphibians)	0.05	1
Insects ⁵	0.05	1

Used in RQ calculations:

¹ LD₅₀ and estimated NOEL

² LD₅₀ and NOEC

³ EC25

⁴ LC/EC₅₀ and estimated and reproductive NOEC

⁵ LD₅₀ per EFED's CRLF Steering Committee